

[MULTI-FREQUENCY MONOPOLE FLAT ANTENNA]

Abstract of Disclosure

A multi-frequency, monopole, flat antenna for a portable device. The antenna is made of conductive material. The portable device has an RF module. The antenna has a feeding terminal that connects to the RF module, and a conductor plate. The antenna resonates with EM waves to produce two non-overlapping EM resonant bands. The conductor plate transmits and receives EM waves of three different frequencies. The first frequency is in the first band, and the conductor plate is large enough to cover a bandwidth larger than the difference between the second and third frequencies, which are in the second band.